

Test Notes

Test Procedure/Task: Rev: Issue: DWP #: WO #: Title: FACD DCI #P3021 Fuel Press Control Solenoid Replacement				Test Date/Time: 04/14/09	
Site/Program: CCAFS/Delta II		Location: Pad 17A		Mission: GPS IIR-20	
Creator: Sauter, John Phone: 321-476-3123		Work Group: Engineering Propulsion		Shift: 1	Note Created: 04/14/09 1523 Note Updated:
Title of Test: FACD DCI #P3021 Fuel Press Control Solenoid Replacement					
Description of Test					
Fuel Press Control Solenoid Valve installed on PVP panel on FUT Level 10. Ready for retest (to be done concurrently with F90 Task 1C).					

Test Notes

Test Procedure/Task: Rev: Issue: DWP #: WO #: Title:				Test Date/Time: 04/14/09	
Site/Program: CCAFS/Delta II		Location: Area 57 Solid Motors		Mission: STSS	
Creator: Vetsch, Leon Phone: 321-476-3218		Work Group: Engineering Mechanical		Shift: 1	Note Created: 04/14/09 1513 Note Updated:
Title of Test: Solid Motor Transfer					
Description of Test					
Completed transfer of srm positions 2,3,4,5 & 7 from chocks to erection trailers per LPD F114. Balance to completed in am. No amomalies noted. lgy					

Test Notes

Test Procedure/Task: Rev: Issue: DWP #: WO #: Title:				Test Date/Time: 04/14/09	
Site/Program: CCAFS/Delta II		Location: Battery Lab - DII		Mission: STSS_BLOCK_2010	
Creator: Dehestani, Nahid Phone: 321-853-5235		Work Group: Engineering Electrical		Shift: 1	Note Created: 04/14/09 1534 Note Updated: 04/14/09 1633
Title of Test: STSS Block 2010 Battery Processing					
Description of Test					
The following activities were performed on batteries 40-0281A (Test-sys1), 40-0341A (Test-sys2), 40-0396 (1sys1), 40-0397 (1sys2), 40-0398 (2sys1), and 40-0399 (2sys2): Vacuum operation, Cell voltage scan printout, Removed standpipes, Installed vent valves, Took internal photo of flight batteries, and installed battery cover Ref: M596-T2, M597-T2, M593-T1, M594-T1, M595-T1, and M590-T1					
CCN: WDK2LXXX Hours: 6					
Attachments					

Test Notes

Test Procedure/Task: LPD-G200 T3 Rev: R57 Issue: 2 DWP #: 139447 WO #: Title: PAF Electrical Test				Test Date/Time: 04/14/09 1550			
Site/Program: CCAFS/Delta II		Location: Navstar Processing Facility		Mission: GPS IIR-21		Effectivity:	
Creator: Ripper, Jeff Phone: 321-476-3008		Work Group: Engineering Electrical		Shift: 1		Note Created: 04/14/09 1600 Note Updated: 04/14/09 1600	
Title of Test: PAF Electrical Test							
Description of Test							
<p>All test objectives were met with the exception of the AT2 milli-g accelerometer. This accelerometer is still at the vendor. The milli-g requirements will be met at a later date in another NPF LPD via a test variation.</p> <p>HWA DCI 002: Initial vehicle current reading was low due to a configuration problem. The configuration was corrected and proper current was obtained.</p> <p>Engineering post test data review will be worked on Wednesday.</p>							
CCN: 8WEH3Y-L00 Hours: 8							
Attachments							

Test Notes

Test Procedure/Task:				Test Date/Time:	
Rev:		Issue:		DWP #:	
WO #:		Title:		04/14/09	
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0	
Effectivity:		Creator: Hanaway, Frank		Work Group: Tech Services Group	
Phone: 805-606-6340 x2307		Shift: 2		Note Created: 04/14/09 0047	
Note Updated:		Title of Test: SLC-2 TSG SECOND SHIFT			
Description of Test					
<p>DELTA SHOPS & LABS :</p> <p>END OF SHIFT FACILITY CHECKS --- COMPLETE</p> <p>MAINTENANCE SUPPORT & 7i WORK ORDERS --- ACTIVE</p> <p>--- STSS ATRR ---</p> <p>DCI P3015 : R&R FIRST STAGE FUEL TANK FLOAT SWITCH --- TASK IS COMPLETE. NEW FLOAT SWITCH IS INSTALLED AND THE REMOVED ONE IS IN THE MRC CAGE. FOR ADDITIONAL DETAILS SEE BUZZ LANNING'S E-MAIL.</p> <p>V12 TASK 2 : SIMULATED FLIGHT --- ROS UNTIL 4:15 pm. TASK IS COMPLETE. SEE ENGINEERING TEST NOTES FOR DETAILS (McCARTY / LEVEY).</p> <p>V12 TASK 4 : SIMULATED FLIGHT SECURING. TASK IS COMPLETE.</p> <p>V25 TASK 1 : SOLID MOTOR FAIRING INSTALLATION AFT --- COMPLETED ITEMS 4-10 AND 4-11 (INSTALLATION OF 1D89024-505 &-505 AND 1D89026-1 & -2 FAIRING SIDE PIECES).</p> <p>V23 TASK 4 : SOLID MOTOR FINALING AND INSULATING --- NOT ACTIVE</p> <p>V91 TASK 27 : NITROGEN HIGH PRESSURE FILLING. TASK IS COMPLETE.</p> <p>V91 TASK 12 : NITROGEN LOW PRESSURE FILLING. TASK IS COMPLETE.</p>					

Test Notes

Test Procedure/Task: LPD-V008 T1				Test Date/Time:	
Rev: 81		Issue: 1		DWP #: 124136	
WO #:		Title: Second Stage Tank Blanket Installation		04/14/09 0730	
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0	
Effectivity:		Creator: Knowles, Tom		Work Group: Engineering Mechanical	
Phone: 805-606-6340 x2230		Shift: 1		Note Created: 04/14/09 1830	
Note Updated:		Title of Test: Second Stage Blanket Installation			
Description of Test					
<p>Installed second stage tank blankets. Re-installed catch net. Bond checks complete.</p> <p>No anomalies.</p> <p>Good work by crew.</p>					
CCN:					
Hours:					
Attachments					

Test Notes

Test Procedure/Task: LPD-V011 T1 Rev: 40 Issue: 1 DWP #: 124126 WO #:				Test Date/Time: 04/14/09 0630	
Title: First Stage Engine Preparations					
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0	
Creator: McCarty, Mike Phone: 805-606-6340 x2318/6		Work Group: Operations		Shift: 1	Note Started: 04/14/09 1217
Title of Test: TC Notes: V11 Engine Sequences					
Description of Test					
Time	H/A	Description			
0630		Replacement of Ground Encoder card in work; delaying power up until completion			
0700		Pretest briefing. Comm ch 5. New ground encoder card requires reload.			
0730		Reloaded card does not function properly - power supply voltages incorrect. Card appears defective. Will replace with old card and again proceed with power up.			
0922		Card replaced; powering up ALCS			
0955		ALCS power up complete. OK to proceed given on DCI. Continuing with SS TM.			
1006		SS/ FS TM powered			
1103		V8T1 blanket installation complete			
1108		Item 24 Press for Post LOX load and thrust chamber leak cks in work			
1124		Item 20 Start Tank electrical connector securing complete			
1126		Item 9 He & N2 Sys Post Flt Press leak cks in work			
1244		Item 26 Main Engine thrust Chamber Leak Ck in work			
1312		Item 26 complete proceeding with item 27 vehicle venting			
1333		HWA red alarm for RP-1 tank top pressure. This alarm is due to R&R of fuel float switch which at this time is disconnected -- this would make CDPS "think" booster loaded with RP-1 and thereby a lower tank pressure with personnel is allowed. T/S no RP-1 loaded; note alarm with HWA; continue with testing as as this is not a personnel safety issue.			
1355		Complete thru Item 28 clearing pad for Start Pressurization			
1420		Complete with item 29 Start Tank Pressurization complete			
1440		Vehicle TM secured.			
1450		Pneumatic securing complete. V11 complete			
1530		V11T2 personnel reporting on station			
1600		Pad status amber for hypergol installation			
1655		Hazardous operations complete. Hypergols installed. Pad status green			
1710		Power loss at RLCC and pad. Facilities notified. Pad and RLCC on generators.			
CCN: Hours:					

Test Notes

Test Procedure/Task: Rev: _____ Issue: _____ DWP #: _____ WO #: _____ Title: _____				Test Date/Time: 04/14/09 1530			
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission:		Effectivity:	
Creator: Hillier, Ed Phone: 805-606-6340 x2209		Work Group: Tech Services Group		Shift: 1		Note Created: 04/14/09 1820 Note Updated:	
Title of Test: SLC-2 TSG FIRST SHIFT							
Description of Test							
<p>DELTA:</p> <ul style="list-style-type: none"> • V158 T1/3 DAILY FACILITY CHECKS -----COMPLETE • MAINTENANCE SUPPORT & 71 WORK ORDERS -----ACTIVE WITH MISC WORKORDERS • ENVIRONMENTAL COMPLIANCE / CAL LAB / LPD PARTS PULL SUPPORT -----ACTIVE AND ON GOING • HYDRO LAB ----- ACTIVE AND ON GOING • A/C / PROOFLOAD / MACHINE SHOP SUPPORT -----ACTIVE WITH MISC A/C / MACHINE SHOP ITEMS, SEE CHAMBLESS TEST NOTES FOR PROOFLOAD AREA <p>STSS ATTR:</p> <ul style="list-style-type: none"> • V42 T2 DAILY VEHICLE CHECKS -----COMPLETE • V48 T1 AGE & VEHICLE TURN-ON/TURN-OFF -----COMPLETE • V57 T1 WHITE ROOM CLEANING -----ACTIVE SUPPORTING A/R • V19 T1 DCI 7 R&R VCR2 ANALOG BOARD -----COMPLETE • V11 T1 RETEST LOX & FUEL FLOAT SWITCHES -----COMPLETE • VLCD DCI E1034 REWIRE S/C PATCH PANEL (EEB) -----ACTIVE, 2ND SHIFT WILL ROS • V8 T7 ECS PREPS -----COMPLETE FOR TODAY • V132 T5 TRANSPORT S/C TRAILER TO BLDG 2520 -----COMPLETE • V11 T1 FIRST STAGE ENGINE PREPS -----COMPLETE • V8 T1 2ND STAGE BLANKET INSTALLATION -----COMPLETE • V57 T1 W/R PARTICLE COUNTER OPS (ITEM 9) -----COMPLETE • VLCD DCI P3015 RECONNECT 1ST STAGE FUEL TANK FLOAT SWITCH CONNECTOR -----2ND SHIFT WILL WORK THIS ITEM • V11 T2 HYPERGOLIC IGNITER INSTALLATION -----2ND SHIFT WILL WORK <p>WORLDVIEW-2:</p> <ul style="list-style-type: none"> • V401 T1 SOLID MOTOR OFFLOAD (2)-----COMPLETE LESS LEAK CHECKS <p>ED HILLIER / RAY ALCAMO</p>							
CCN: _____ Hours: _____							
Attachments							

Test Notes

Test Procedure/Task: LPD-V011 T1 Rev: 40 Issue: 1 DWP #: 124126 WO #: Title: First Stage Engine Preparations				Test Date/Time: 04/14/09 1530			
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0		Effectivity:	
Creator: Shabram, Steve Phone: 805-606-6340 x2268/6		Work Group: Engineering Propulsion		Shift: 1		Note Created: 04/14/09 1908 Note Updated:	
Title of Test: First Stage Engine Preparations and Float Switch Laak Checks							
Description of Test							
<p>Completed:</p> <p>1)Final Securing of the Start Tank press Valve Electrical Connector</p> <p>2)Post Lox Leak Checks</p> <p>3)Main LOX Valve Inspection</p> <p>4)Main Engine Thrust Chamber Leak Checks</p> <p>5)Start Tanks Pressurization for Reconnection Verification</p> <p>DCI #1 Test Variation - Performed Helium Mass Spec and Bubble Leak Check of Fuel Low Level Float Switch and Connector. Leak Checks were also completed on the LOX Tank Pressure Transducer Tube assembly and fittings including 99/100% LOX Float Switch. No Leakage noted.</p> <p>Initiated the following Hardware anomaly DCI'S: DCI #2 - Red Alarm received on CDPS for V1FL_TNK_TOP_PRS during fuel pressurization for float switch leak checks. Reason: Fuel Low Level float switch is disconnected. Ref VLCD DCI P3015. DCI - In closure.</p> <p>Excellent crew Support!</p>							

Test Notes

Test Procedure/Task: LPD-V011 T2 Rev: 40 Issue: 1 DWP #: WO #: Title: Hypergolic - Installation				Test Date/Time: 04/14/09			
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS		Effectivity:	
Creator: Penna, John Phone: 805-606-6340 x2219		Work Group: Engineering Propulsion		Shift: 1		Note Created: 04/14/09 2041 Note Updated:	
Title of Test: First Stage Hypergolic Igniter - Installation							
Description of Test							
<p>Completed the installation of VE #1 & VE #2 = Hypergolic Igniter</p> <p>Completed the installation of Main Engine = Hypergolic Igniter</p> <p>"NO ISSUES"</p> <p>LOX PUMP SEAL Cavity Inspection, was going good until POWER outage for several seconds, afterwards all went well - swab wipe "NO OIL" - DATA is acceptable.</p> <p>Prop Engineering walkdown on Vernier Engines #1 & #2 = is sign off - okay for dog house installation</p>							
CCN: Hours:							
Attachments							

Test Notes

Test Procedure/Task: Rev: Issue: DWP #: WO #: Title:				Test Date/Time: 04/15/09			
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0		Effectivity:	
Creator: Hanaway, Frank Phone: 805-606-6340 x2307		Work Group: Tech Services Group		Shift: 2		Note Created: 04/15/09 0249 Note Updated: 04/15/09 0253	
Title of Test: SLC-2 TSG SECOND SHIFT							
Description of Test							
<p>DELTA SHOPS & LABS :</p> <p>END OF SHIFT FACILITY CHECKS --- COMPLETE</p> <p>MAINTENANCE SUPPORT & 7i WORK ORDERS --- ACTIVE</p> <p>--- STSS ATRR ---</p> <p>DCI E1034 : REWIRE SPACECRAFT PATCH PANEL (EEB) --- TASK IS COMPLETE WITH NO ISSUES. SEE ENGINEERING TEST NOTES FOR DETAILS (KYLLINGSTAD).</p> <p>V11 TASK 1 : FIRST STAGE ENGINE PREPS --- COMPLETED ON FIRST SHIFT.</p> <p>V11 TASK 1 : ENGINEERING WALKDOWN --- TASK IS COMPLETE.</p> <p>V11 TASK 2 : HYPERGOLIC IGNITER INSTALLATION --- TASK IS COMPLETE. SEE ENGINEERING TEST NOTES FOR DETAILS (PENNA).</p> <p>DCI P3015 : RECONNECT FIRST STAGE FUEL TANK FLOAT SWITCH CONNECTOR --- TASK IS COMPLETE.</p> <p>V8 TASK 4 : VENIER ENGINE THERMAL INSTALLATION --- WORKED V.E. HYPERGOL CONTAINER INSULATION (ITEM 2).</p> <p>NOTES : HEAVY WINDS TONIGHT. SECURED THE PAD AND MST AS BEST WE COULD. LOST POWER ON THE PAD JUST AFTER 5 pm. GENERATORS RAN UNTIL POWER WAS RESTORED ABOUT 2 AND A HALF HOURS LATER. RE-STARTED PARTICLE COUNTER.</p> <p>PAD GENERATOR A IS OVER THREE QUARTERS FULL AND GENERATOR B IS JUST UNDER THREE QUARTERS FULL.</p> <p>RLCC LOST POWER AT THE SAME TIME BUT WAS NOT BACK UP BY END OF SHIFT. GENERATORS RUNNING AND ARE HALF FULL AT 11:30 pm. DAVE McGEE WAS CONTACTED. HE CONTACTED RANDY HUNT WHO WAS GOING TO REFUEL THE GENERATORS AT ABOUT 1 am WEDNESDAY MORNING.</p> <p>WHITEROOM HUMIDIFIER LINE CAME LOOSE AND WAS LEAKING WATER IN THE M&E ROOM. PIPING LOCATION IS NEAR THE SOUTH DOOR ENTRANCE ON LEFT SIDE AND ABOVE SHELF (AT THE DOUBLE 90 DEGREE PART OF LINE). WAS ABLE TO REPAIR WITH PVC PRIMER AND GLUE. RE-CHECK IN THE MORNING.</p> <p>Frank Hanaway and Larry Taylor</p>							
CCN: Hours:							
Attachments							

Test Notes

Test Procedure/Task: DCI - Adv Dwg Chg-VLCD - ELECTRICAL DCI E1034				Test Date/Time: 04/14/09 0730	
Rev: _____		Issue: 1		DWP #: 142274	
		WO #: _____			
Title: Modify S/C wiring in EEB Patch Panel					
Site/Program: VAFB/Delta II		Location: Launch Pad (SLC2)		Mission: STSS_BLOCK_201 0	
				Effectivity: _____	
Creator: Kyllingstad, Tobin		Work Group: Engineering Electrical		Shift: 1	
Phone: 805-606-6340 x2855/6				Note Created: 04/14/09 2248	
				Note Updated: _____	
Title of Test: EEB Patch Panel Rework and Retest					
Description of Test					
<p>Rework complete; Retest complete; S/C back in work with their retest.</p> <p>Play by play summary:</p> <ul style="list-style-type: none"> - DCI, CKT automated cable analyzer test programs, and majority of equipment pull kit ready for work at start of shift - Long delay to receive direction to proceed; acquired remaining pull kit items - Received direction to proceed; immediately after beginning rework to switch circuit paths, S/C informed us of another suspect circuit - Completed rework on initial circuit; reinstalled patch panel; and returned payload service to S/C for additional circuit evaluation - S/C confirmed suspect circuit required rework; additional repatch design coordinated with Denver EGSE; CKT test program updated for additional rework - Another delay for direction to proceed; prepared breakout boxes for retest upon completion of rework - Yet another delay for secured personnel to arrive on station to escort second shift crew - Completed rework to the additional circuit; proceeded to retest with the CKT - Continuity and isolation retest completed without issue; deconfigured retest apparatus; and returned payload service circuits to S/C for their testing 					
CCN: WDQ11N01-0					
Hours: 11					
Attachments					

Test Notes

Test Procedure/Task: DPAD-1D54005-P0102				Test Date/Time: 04/14/09	
Rev: T		Issue: 1		DWP #: _____	
		WO #: 125423			
Title: First Stage Propulsion Systems Checkout					
Site/Program: Decatur/Delta II		Location: Delta II Booster Checkout (D2FSCO)		Mission: WorldView-2	
				Effectivity: 20146	
Creator: Brooks, Thomas		Work Group: Engineering		Shift: 1	
Phone: 256-432-1502				Note Created: 04/14/09 0727	
				Note Updated: _____	
Title of Test: Delta II Booster Propulsion Testing for 20146 Worldview 2					
Description of Test					
<p>Initiated and completed DCI-13 for retest of affected areas of Main Fuel Tank and Main LOX tank after R&R of fuel low level float switch on NC47886.</p>					
CCN: _____					
Hours: _____					
Attachments					